

| SPLICE LENGTHS | | | |
|--|----------------------------------|------------------------------------|-----------------------|
| f _c =3,000 psi, f _s =60,000 psi, cover > d _b , spacing > d _b , uncoated bar and normal weight concrete | | | |
| BAR | TENSION LAP SPICE FOR "TOP BARS" | TENSION LAP SPICE FOR "OTHER BARS" | COMPRESSION LAP SPICE |
| #4 | 29" | 22" | 30 DIA. FOR ALL SIZES |
| #5 | 36" | 28" | |
| #6 | 43" | 33" | |
| #7 | 63" | 49" | |
| #8 | 72" | 55" | |

NOTE: 1. THIS SCHEDULE APPLIES FOR ALL SITUATIONS AND CONDITIONS UNLESS OTHERWISE NOTED.

STRUCTURAL GENERAL NOTES

I- CODES

- 1.- FLORIDA BUILDING CODE, 2014 EDITION.
- 2.- AMERICAN INSTITUTE OF STEEL CONSTRUCTIONS "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDING - ALLOWABLE STRESS DESIGN AND PLASTIC DESIGN", LATEST EDITION.
- 3.- AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318-11.
- 4.- AMERICAN FOREST AND PAPER ASSOCIATIONS "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", 2005 EDITION ("NDS").
- 5.- AMERICAN CONCRETE INSTITUTE "BUILDING CODE REQUIREMENTS FOR MANSORY STRUCTURE" ACI 530-05/ASCE 7-10.
- 6.- ALL CONSTRUCTION SHALL COMPLY WITH ACI-301, LATEST EDITION.
- 7.- ALL REINFORCED STEEL SHALL BE DETAILED TO COMPLY WITH ACI-SP-04.
- 8.- ALL STEEL PLACING SHOP DRAWING SHALL BE PREPARED IN ACCORDANCE WITH ACI-SP-04.

II. MATERIALS

UNLESS OTHERWISE SHOWN OR NOTED ON DRAWINGS.

- 1.- STRUCTURAL STEEL: ASTM A 36.
ANCHOR BOLTS, U.O.N.: ASTM A 307.
- 2.- CAST-IN-PLACE CONCRETE
FOUNDATION: 3,000 psi NORMAL WT.
SLABS ON GROUND: 3,000 psi NORMAL WT.
COLUMNS AND BEAMS: 3,000 psi NORMAL WT.
- 3.- REINFORCEMENT
DEFORMED BARS: ASTM A615, GRADE 60.
WELDED WIRE FABRIC: ASTM A185, GRADE 60.
- 4.- WELDING ELECTRODES: E70xx LOW HYDROGEN.
- 5.- BOLTING MATERIALS: ASTM A325 OR A490
U.O.N
- 6.- FRAMING LUMBER: DOUGLAS FIR OR
SOUTHERN
YELLOW PINE No.2.
19% MAX. MOISTURE
CONTENT.
F_b= 975 psi MINIMUM.
NOMINAL SIZE DRESSED
S4S.

III.- GENERAL

- 1.- NOTE, TYPICAL DETAILS AND SCHEDULES APPLY TO ALL STRUCTURAL WORK UNLESS OTHERWISE NOTED FOR CONDITIONS NOT SPECIFICALLY SOWN. PROVIDE DETAILS OF SIMILAR NATURE. VERIFY APPLICABILITY BY SUBMITTING SHOR DRAWING FOR REVIEW.
- 2.- STRUCTURAL DRAWING SHALL BE USED IN CONJUNCTION WITH THE SPECIFICATIONS, ARCHITECTURAL AND MECHANICALS DRAWINGS. IF THERE IS A DISCREPANCY BETWEEN DRAWINGS IT IS THE CONTRACTOR'S RESPONSABILITY TO NOTIFY THE ENGINEER PRIOR TO FORMING WORK.
- 3.- DO NOT SCALE DRAWINGS TO OBTAIN DIMENSIONAL INFORMATION.
- 4.- SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR WATERPROOFING AND FIRE PROOFING DETAILS AND REQUIREMENTS.
- 5.- AT ALL TIMES THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITIONS OF THE JOB SITE INCLUDING SAFETY PERSON AND PROPERTY. THE ARCHITECTS OR ENGINEERS PRESENCE OR REVIEW OF WORK DOES NOT INCLUDE THE ADEQUACY OF THE CONTRACTOR'S MEANS OR METHODS OF CONSTRUCTIONS. DRAWING HAVE BEEN PREPARED BASED ON AVAILABLE KNOWLEDGE OF EXISTING.
- 6.- CONDITIONS IF, DURING EXCAVATION OR CONSTRUCTION ACTUAL ARE DISCOVERED TO DIFFER FROM THOSE INDICATED ON DRAWINGS, ENGINEER SHALL BE NOTIFIED.

IV.- CONCRETE NOTES

- 1.- REINFORCING STEEL SHALL HAVE A MINIMUM CLEAR COVER AS FOLLOWS, U.O.N. IN DRAWINGS.
CONCRETE POURED AGAINST EARTH 3"

CONCRETE EXPOSED TO EARTH OR WEATHER:
"5 OR SMALLER 1-1/2"
"6 OR LARGER 2"

CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT w/ GROUND:
COLUMNS (TIES AND MAIN REINFORCING) 1-1/2"
SLABS, WALLS, JOINTS, "11 OR SMALLER 3/4"
BEAMS (STIRRUPS AND MAIN REINF.) 1-1/2"

CLEAR COVER SHALL BE CLEARLY SHOWN ON ALL REBAR DETAIL DRAWINGS.

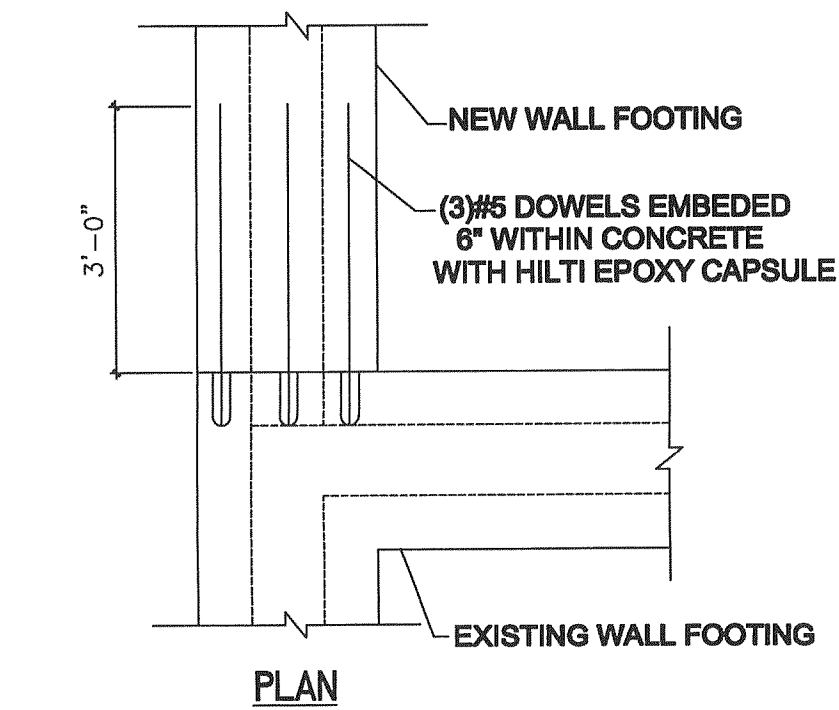
- 2.- ALL REINFORCEMENT SHALL BE SECURELY HELD IN POSITION WHILE PLACING CONCRETE IF NECESSARY, ADDITIONAL BARS SHALL BE PROVIDED BY THE CONTRACTOR TO FURNISH SUPPORT.
- 3.- THE CONTRACTOR SHALL VERIFY THE DIMENSIONS AND LOCATIONS OF ALL OPENINGS, PIPES SLEEVES, ETC. . . AS REQUIRES BY ALL TRADES, BEFORE THE CONCRETE IS POURED. THE CONTRACTOR SHALL CONSULT THE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS, AS WELL AS THE STRUCTURAL DRAWING FOR THE LOCATION, NUMBER AND SIZE OF ALL OPENINGS, SLEEVES, ETC. . . HOWEVER, OPENINGS NOT SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INSTALLED ONLY AFTER APPROVAL BY THE STRUCTURAL ENGINEER IS OBTAINED.
- 4.- LOCATION OFF ALL CONSTRUCTIONS JOINTS NOT SHOWN IN DRAWINGS SHALL BE SUBMITTED TO ENGINEER FOR APPROVAL PRIOR TO DETAILING OF REINFORCING. ALL CONSTRUCTION JOINTS TO BE CLEARLY SHOWN IN REBAR DETAIL DRAWINGS. ENGINEER MAY REQUIRE ADDITIONAL REINFORCING AT CONSTRUCTION JOINTS.
- 5.- CONCRETE FINISH FOR SLAB ON GROUND SHALL BE "LIGHT BROOM FINISH". CONCRETE FINISH FOR BEAMS AND COLUMNS SHALL BE " SMOOTH FORM FINISH, ACI 301-99 (10 . 2 . 2).

V.- MASONRY NOTES

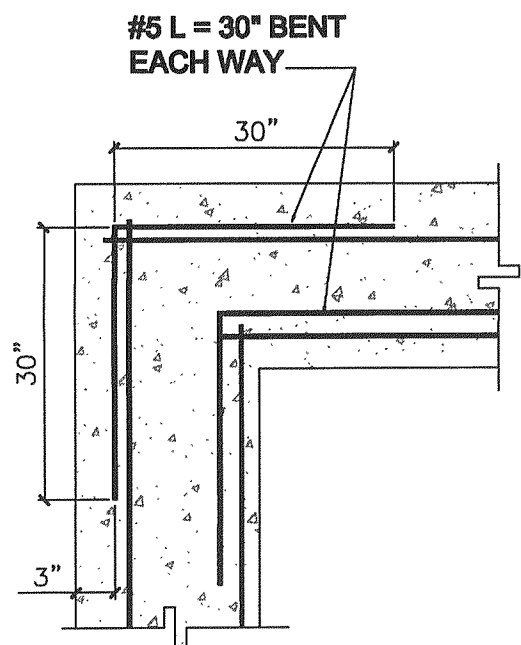
- 1.- HOLLOW CONCRETE MASONRY SHOWN ON THESE DRAWINGS SHALL BE ASTM C90, ON GRADE N, TYPE I, NORMAL WEIGHT f_m= 1500 P.S.I.
- 2.- MORTAR SHALL CONFORM TO ASTM C270, TYPE "M" OR "S" FOR ABOVE GRADE, TYPE "M" FOR BELOW GRADE, f_m= 2000 P.S.I.
- 3.- GROUT FOR FILLED CELLS SHALL CONFORM TO ASTM C476 f_m=3000 P.S.I. STRENGTH AT 28 DAYS. CELLS SHALL BE GROUTED IN INCREMENTS NOT EXCEEDING 4 FEET VERTICALLY AND A SLUMP OF 9" 1".
- 4.- VERTICAL REINFORCING SHALL BE ASTM A615, GRADE 60 DEFORMED BARS MINIMUM LAP SPLICES SHALL BE 48 BARS Dia. AS FOLLOWS"
"3 BARS 1'-6"
"4 BARS 2'-0"
"5 BARS 3'-0"
"6 BARS 3'-0"
- 5.- HORIZONTAL REINFORCING SHALL BE No.9 GAGE, LADDER TYPE FOR REINFORCED MASONRY AND TRUSS TYPE FOR ALL OTHERS, AND SHALL BE PLACED EVERY OTHER COURSE U.O.N.
- 6.- ALL BLOCK SHALL BE PLACED IN RUNNING BOND.

VI.- WOOD NOTES

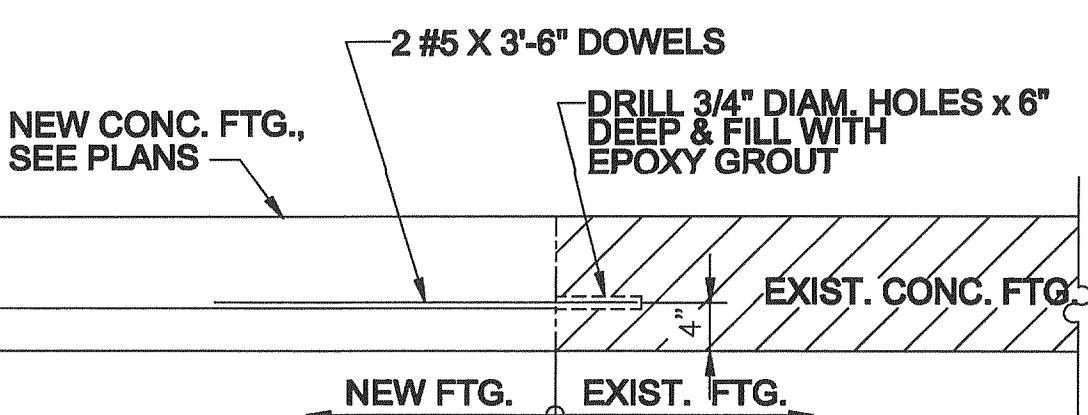
- 1.- ALL WOOD IN CONTACT w/ CONCRETE, MASONRY OR LATH SHALL BE PRESSURE TREATED AS PER "AMERICAN WOOD-PRESERVES ASSOCIATION"
- 2.- STRUCTURAL LUMBER SHALL HAVE A MINIMUM ALLOWABLE BENDING STRESS OF F_b=975 P.S.I. FRAMING LUMBER SHALL BE SOUTHERN YELLOW PINE No.2, NOMINAL SIZE DRESSED S4S OR APPROVAL EQUAL. LUMBER SHALL BE FREE OF WARP THAT CAN NOT BE CORRECTED BY BRIDGING AND NAILING.



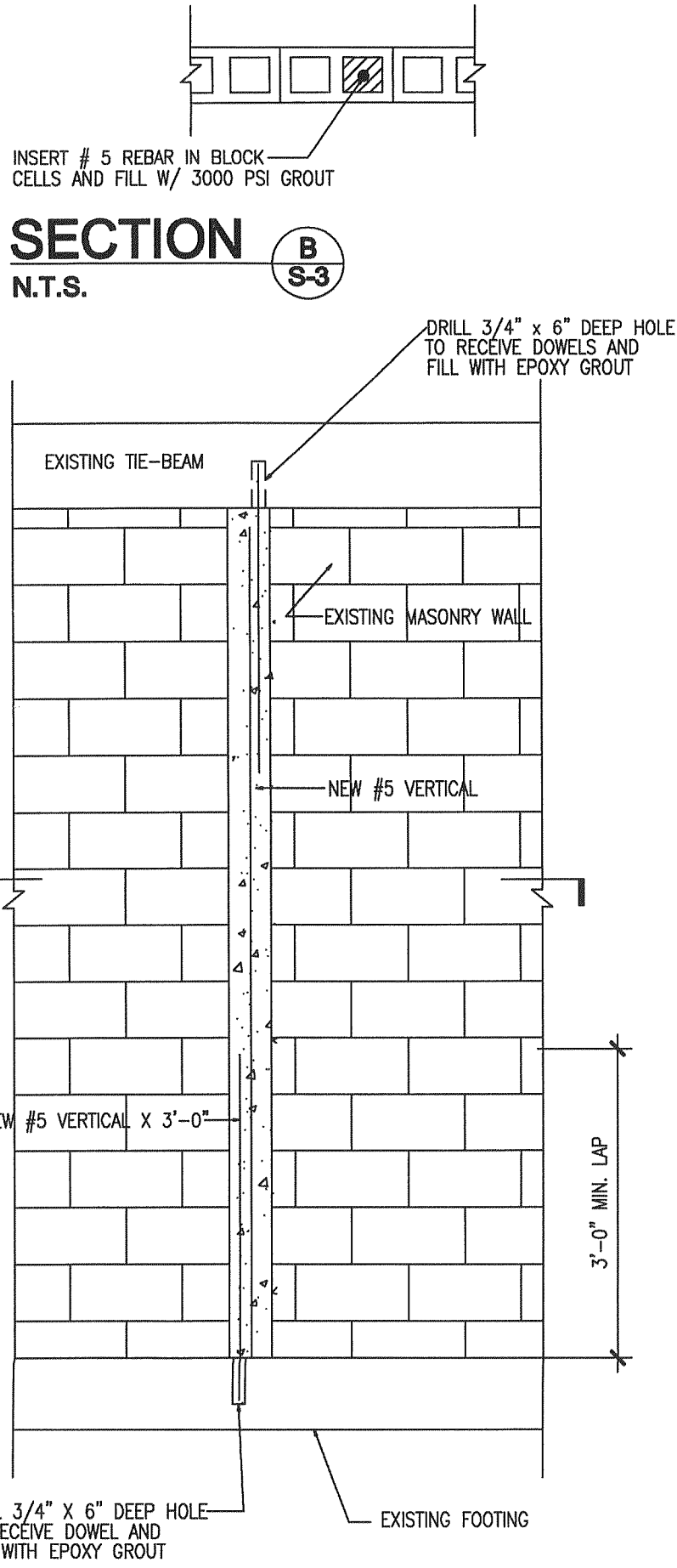
CONNECTION BETWEEN EXISTING AND NEW WALL FOOTING
N.T.S.



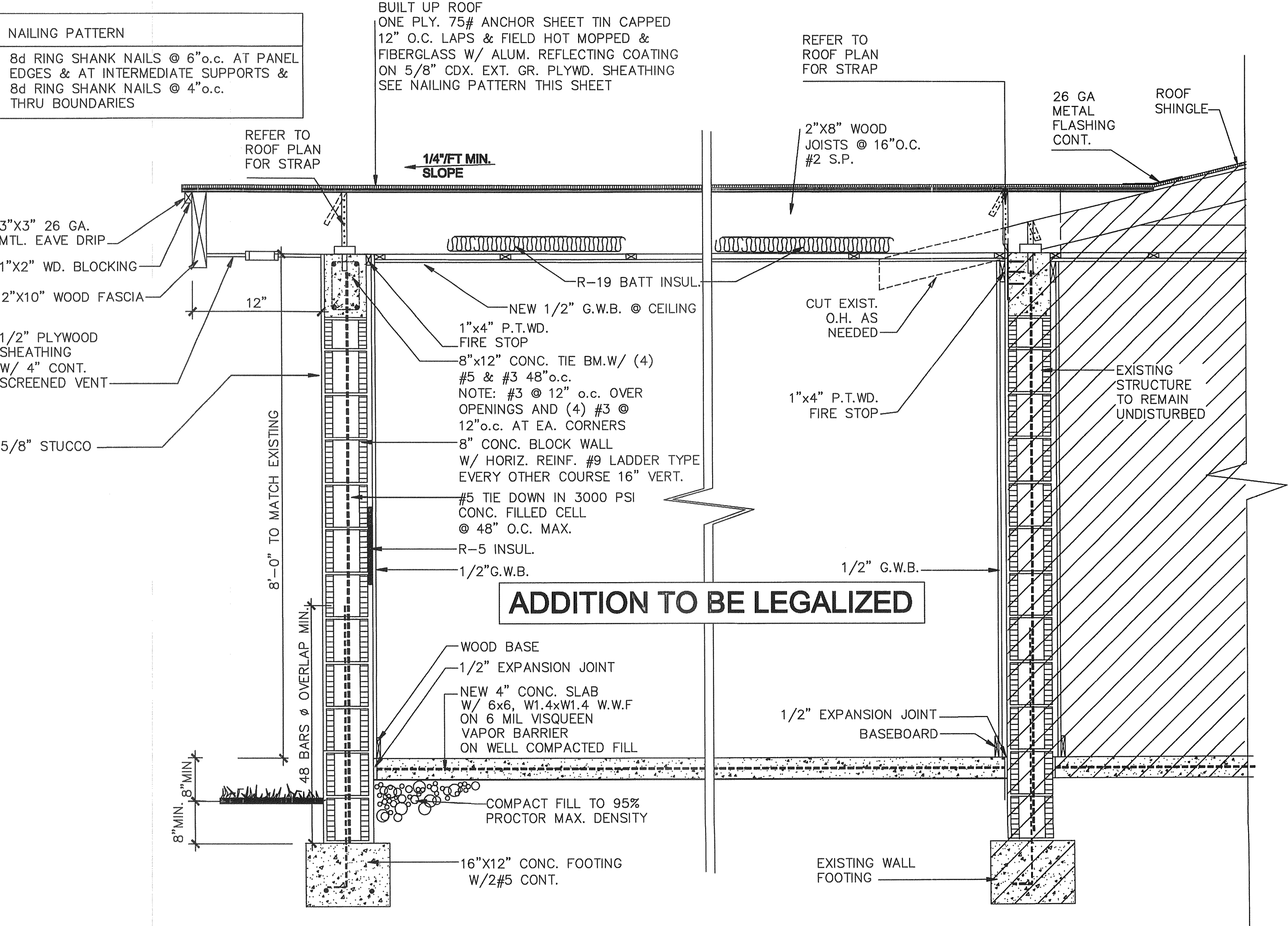
TYPICAL FOOTING CORNER BAR DETAIL
N.T.S.



CONNECTION BETWEEN EXISTING AND NEW FOOTING
N.T.S.



TYPICAL NEW GROUT FILLED CELL DETAIL
N.T.S.



SECTION
SCALE: 3/4" = 1'- 0"

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AS BUILT PLANS FOR DEMOLITION/LEGALIZATION OF
ELLAWISH LLC II
2419 N.W. 99th STREET
MIAMI, FL. 33147

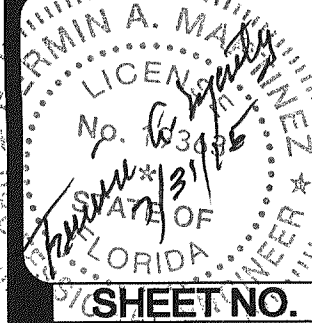
PROJECT TITLE
ADDRESS

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REVISIONS

| DESCRIPTION |
|-------------------|
| Project No. |
| 15-57 |
| Date: |
| 07-12-15 |
| Drawn By: |
| PEDEO PUERTO/ CBS |
| (305) 262 8075 |
| Approved By: |
| F.A.M. |

SEAL



SHEET NO.
S-3